

Mock Cost Analysis Considering Reuse Options:

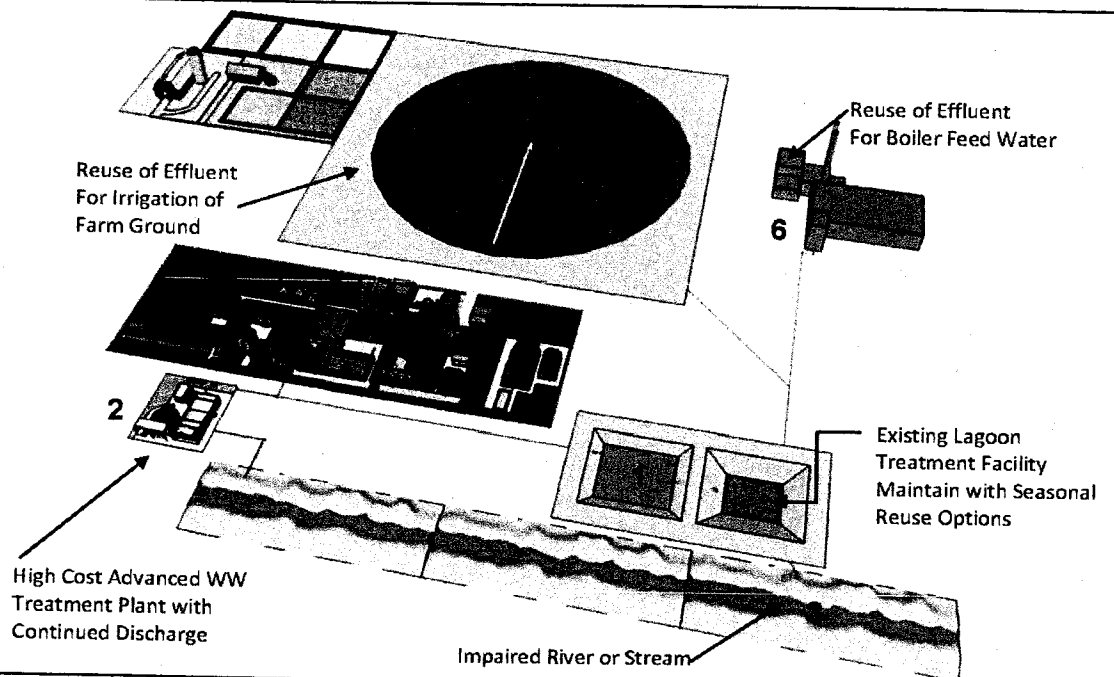
Anywhere, MT - 3,000 citizens, use lagoons to treat wastewater - discharge to trout stream. Lagoons cannot maintain compliance during the Summer season (winter season not an issue).

Alternative 1 - Abandon Lagoons - build "state-of-the-art" mechanical treatment plant. Cost- \$8,000,000 (Life expectancy - 20 to 30 years). Annual O&M Cost + \$300,000/year

Alternative 2 - Maintain Lagoons - continue to discharge to stream in winter. Incorporate reuse allowed under HB52 during summer. New lift station, disinfection, installed piping and contracts with reuse entities. Conservative Cost - \$3,500,000 (Life expectancy - 20 to 50 years). Annual O&M Cost + \$50,000/year

Alternative 3 - Maintain Lagoons - continue stream discharge in winter. Buy property for irrigation and invest in a center-pivot with City control. New lift station, disinfection, installed piping and operations cost for land site. Conservative Cost - \$5,000,000 (Life expectancy - 20 to 50 years). Annual O&M Cost + \$125,000/year.

EXAMPLE OF HOW WASTEWATER EFFLUENT REUSE CAN PROVIDE LOWER COST ALTERNATIVES TO COMMUNITIES



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| 1. Existing WW Lagoons | 4. City/Town |
| 2. New Mechanical WW Plant | 5. Farm or Landscape Watering |
| 3. Stream Receiving Discharge | 6. Factory or Other Commercial Use |